

# HARD RED SPRING WHEAT

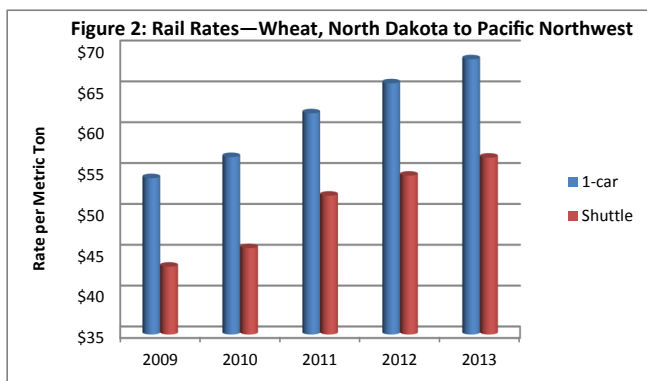
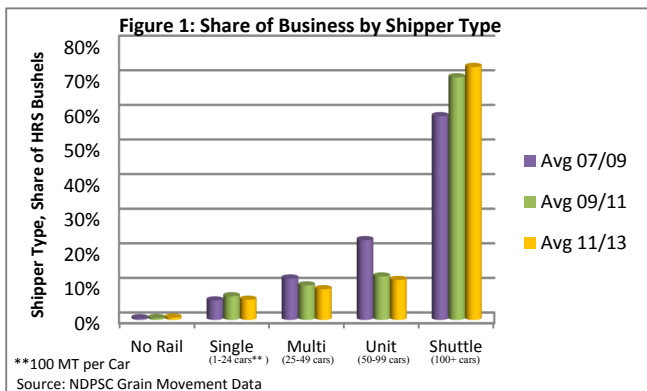
AGRICULTURE SHIPMENT BRIEF JUNE 2014

North Dakota is a forerunner in the U.S. wheat industry, ranking second among states in total wheat production and first in production of hard red spring wheat. This report summarizes some logistical trends associated with the movement of hard red spring wheat from elevator to domestic and export markets. Figure 1 shows a continuing trend toward larger rail shipments in the wheat market. From 2007-09 to 2011-13, shuttle share increased from 59% to 73%. Further, rail rates to the Pacific Northwest continue to favor shuttles over smaller shipments, as depicted in Figure 2 below.

## Markets

Hard red spring (HRS) wheat is the leading crop planted in North Dakota (N.D. Agricultural Experiment Station), making it a key commodity in North Dakota agriculture. North Dakota accounts for nearly one-half of total HRS wheat production in the United States. This wheat moves to domestic and export markets in both east- and west-bound shipments.

Portland (PNW) remained ahead of other destinations as a market for shipments of HRS wheat originating from North Dakota elevators in 2012-13 (Figure 3). Minneapolis and Midland shipments typically move beyond the gateway to U.S. domestic millers. The Pacific Northwest is a large U.S. grain port and important gateway to Asian markets. Crop reporting district (CRD) origin detail for these markets is provided on page 2, along with a world map depicting top markets and export points.

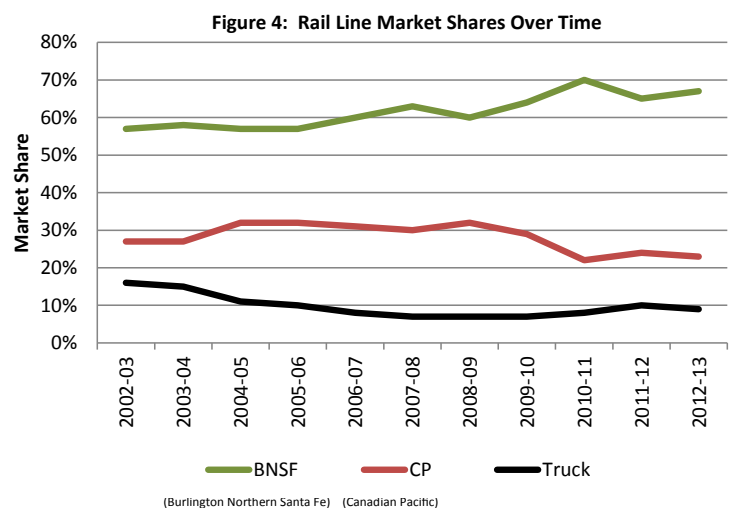


## Rail Market Shares

Figure 4 shows the trends in market shares for Burlington Northern Santa Fe (BNSF)\* and Canadian Pacific (CP)\*\* rail lines as well as trucks for HRS wheat shipped from North Dakota elevators. BNSF's five-year average market share is 65% (crop years 2008-09 to 2012-13). BNSF remains the largest hauler of North Dakota wheat. After maintaining several years of market share at or above 30%, CP remains low at 23% in 2012-13. The truck share has declined from a 2002-03 share of 16% to just 9% for shipments from ND elevators for the 2012-13 marketing year.

**Figure 3: Destination for HRS Wheat Originating from ND Elevators**  
ND PSC Grain Movement Summary, July-June Market Year

	1,000 Bushels							
	Duluth	Mpls	Other MN & WI	Midland & Gulf	PNW	ND	Other	Total
Previous 5 Yr Avg	10%	31%	5%	11%	20%	7%	17%	244,315
2008-09	6%	35%	5%	7%	18%	7%	22%	192,734
2009-10	6%	29%	3%	10%	18%	7%	27%	266,271
2010-11	7%	20%	5%	13%	21%	7%	27%	328,147
2011-12	5%	18%	4%	9%	23%	9%	31%	190,161
2012-13	4%	15%	4%	11%	24%	9%	35%	231,495



**Destinations for Hard Red Spring Wheat Shipments from ND CRD's**  
(1000 Bushels)

CRD 1 - Northwest								CRD 2 - North Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	1%	17%	4%	65%	6%	6%	22,553	Previous 5 Yr Avg	15%	26%	14%	26%	3%	17%	24,524
2008-09	1%	31%	8%	50%	6%	4%	19,164	2008-09	5%	29%	12%	28%	3%	23%	18,905
2009-10	4%	29%	10%	36%	6%	16%	34,472	2009-10	7%	25%	7%	9%	3%	49%	25,272
2010-11	5%	16%	8%	46%	4%	20%	35,053	2010-11	1%	20%	17%	24%	3%	35%	27,521
2011-12	7%	12%	5%	58%	4%	15%	16,048	2011-12	3%	13%	5%	33%	5%	40%	12,402
2012-13	3%	11%	6%	62%	2%	16%	36,831	2012-13	2%	20%	1%	16%	4%	57%	19,431

CRD 3 - Northeast								CRD 4 - West Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	11%	38%	7%	8%	14%	23%	68,608	Previous 5 Yr Avg	6%	46%	13%	4%	6%	25%	12,931
2008-09	5%	38%	3%	9%	12%	33%	65,227	2008-09	3%	30%	7%	14%	9%	36%	12,186
2009-10	10%	24%	8%	13%	15%	31%	66,503	2009-10	0%	29%	11%	13%	10%	38%	22,381
2010-11	14%	23%	11%	12%	12%	28%	102,337	2010-11	0%	22%	11%	16%	10%	42%	20,721
2011-12	8%	25%	7%	12%	14%	32%	72,528	2011-12	0%	16%	19%	12%	7%	46%	12,822
2012-13	4%	19%	14%	10%	19%	35%	63,935	2012-13	0%	8%	11%	34%	2%	45%	18,635

CRD 5 - Central								CRD 6 - East Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	14%	46%	13%	6%	6%	15%	26,377	Previous 5 Yr Avg	13%	22%	16%	35%	3%	10%	29,408
2008-09	9%	53%	9%	3%	6%	19%	22,552	2008-09	10%	23%	16%	42%	4%	5%	22,884
2009-10	7%	48%	7%	5%	7%	27%	26,899	2009-10	12%	23%	16%	32%	6%	11%	20,945
2010-11	5%	29%	10%	9%	7%	40%	38,865	2010-11	4%	14%	30%	32%	9%	11%	35,101
2011-12	8%	13%	5%	17%	8%	49%	17,733	2011-12	4%	23%	14%	32%	9%	18%	17,579
2012-13	10%	25%	8%	9%	12%	36%	17,535	2012-13	5%	15%	12%	9%	14%	46%	18,984

CRD 7 - Southwest								CRD 8 - South Central							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total		Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	9%	23%	16%	34%	1%	18%	27,065	Previous 5 Yr Avg	2%	84%	9%	1%	2%	2%	10,591
2008-09	24%	41%	8%	4%	1%	22%	9,734	2008-09	0%	84%	10%	0%	7%	0%	4,423
2009-10	8%	17%	15%	33%	2%	25%	39,404	2009-10	1%	84%	9%	1%	2%	3%	12,809
2010-11	10%	18%	9%	37%	1%	24%	36,102	2010-11	0%	81%	13%	0%	3%	3%	12,682
2011-12	1%	13%	13%	50%	1%	21%	22,351	2011-12	1%	55%	21%	2%	9%	13%	8,693
2012-13	4%	16%	15%	36%	0%	29%	37,521	2012-13	2%	41%	12%	10%	6%	29%	9,599

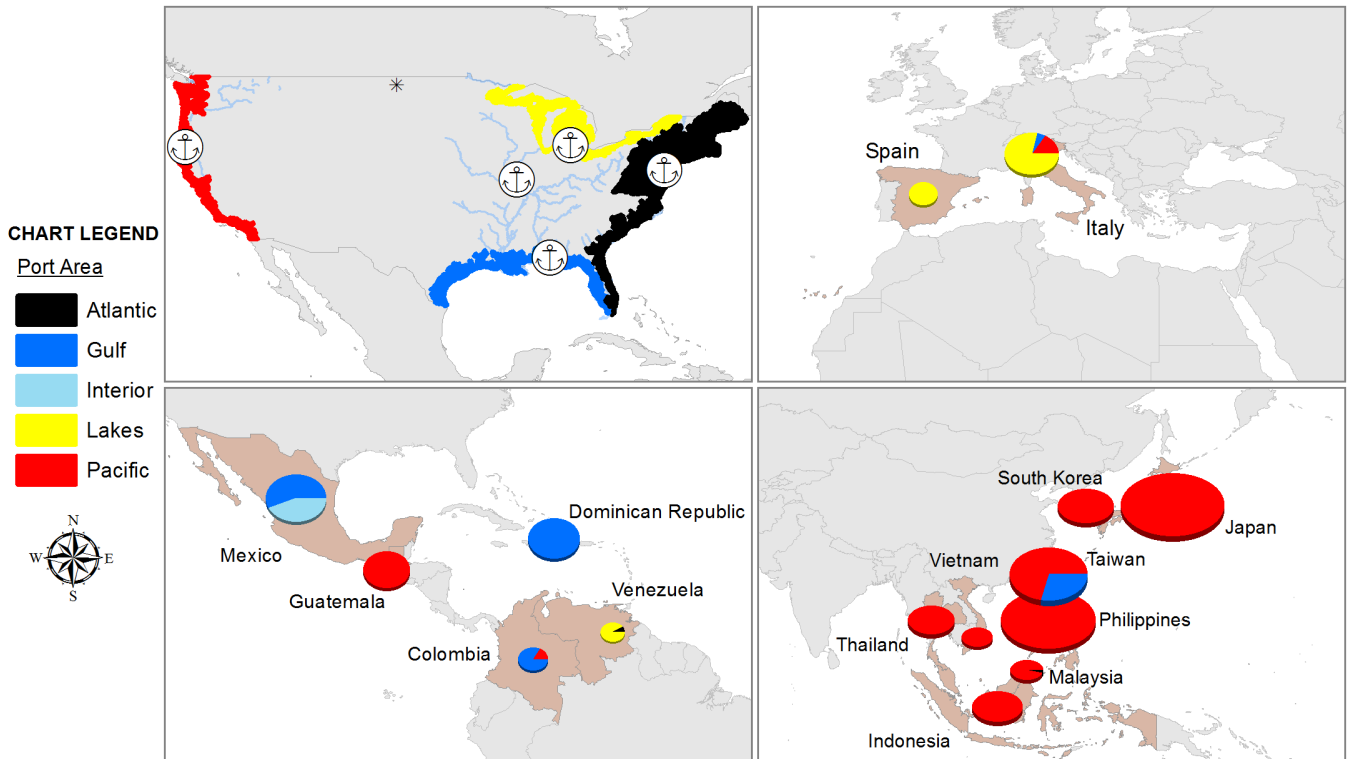
  

CRD 9 - Southeast							
	Duluth	MN/WI	Midland	PNW	ND	Other	Total
Previous 5 Yr Avg	6%	52%	9%	6%	4%	23%	22,257
2008-09	0%	70%	4%	5%	1%	19%	17,659
2009-10	1%	64%	4%	3%	2%	25%	17,586
2010-11	2%	48%	9%	7%	3%	31%	19,765
2011-12	0%	45%	5%	4%	8%	38%	10,004
2012-13	0%	40%	8%	0%	11%	41%	9,025

\*\*One metric ton = 36.74 Bushels

Patterns and methods of shipping HRS Wheat per the Annual North Dakota Elevator Marketing Report and the North Dakota Grain And Oilseed Transportation Statistics report. The complete reports, CRD map, and additional market information are available at <http://www.ugpti.org/resources/grain/>.

**HRS Wheat Export by Region and Port Area**



North Dakota Wheat Commission (N.D.) Buyers and Processors. Retrieved May 26, 2010, from <http://www.ndwheat.com/buyers/>  
North Dakota Hard Red Spring Wheat: Variety Trial Results for 2008 and Selection Guide, N.D. Agricultural Experiment Station. NDSU Extension Service.

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